

Abstract

A support system, a bracket assembly, and a damping member for use in supporting a rotating shaft. A support system including a fixed bracket; a bracket assembly; and a bearing. The bracket assembly having a first damping member having a first fixed end and a second movable end, the first fixed end being securably attached to the fixed bracket and the second movable end being movable in a first plane aligned with the shaft. The bracket assembly further having a brace securably attached to the second movable end of the first damping member. The bracket assembly further having a second damping member having a first end and a second end, the first end being securably attached to the brace and the second end being movable in a second plane that is aligned with the shaft and is generally perpendicular to the first plane. The bearing being securably attached to the second end of the second damping member and being constructed and arranged to provide a mechanical interconnection between the second end of the damping member and the shaft.